

VIBHAV KOTRIWALA

87 Newton St, Somerville, MA 02143 | vibhavk2@illinois.edu | +1 (217) 305-5655

Website: vibhav2799.github.io

GitHub: [vibhav2799](https://github.com/vibhav2799)

LinkedIn: [vibhavkotriwala](https://www.linkedin.com/in/vibhavkotriwala)

DevPost: [vibhav2799](https://devpost.com/users/vibhav2799)

EDUCATION

University of Illinois at Urbana-Champaign (UIUC)

B.S. in Computer Science & Math
May 2021 | Urbana, IL

GPA: 3.80/4.0

Dean's List Awardee (FA'17, SP'18)

SKILLS

Languages & Tools

Proficient: Java | Python | C++ | C | Dart | SQL | mongo

Familiar: JavaScript (React) | Scala | node.js | Kafka | Elasticsearch | AWS

Markup/Templating

LaTeX | HTML | CSS

COURSEWORK

Data Structures & Algorithms

Database Systems

System Programming

Computer Architecture

Probability & Statistics in Comp Sci

Software Design Studio

Linear Algebra

ORGANIZATIONS

Treasurer - Engineering Council (EXPO)

Officer - Illinois Programming League

Member - ACM

Member - Association of Data Science

PUBLICATION & HONORS

– Bridge of Brotherhood: An article on the Indo-Chinese Exchange Program

– Token of Honor (Grade 9-12)

– Microsoft Office Specialist

WORK

Microsoft | Incoming Software Engineering Intern (Winter 2021)

HubSpot | Software Engineering Co-op Cambridge, MA | June 2019 – Present

- Worked as part of the API Tooling team using *Java* which builds tools to make it simple and easy for developers to build complete and consistent APIs and allows users to view well-documented APIs.
- Developed the *Maven* plugin which auto-generates API Documentation and installed it across *all* services at HubSpot; matured the *Github* PR Feedback tool which informs of breaking change among other tasks.
- Examined common API response error strings and worked to standardize these error messages in all projects across HubSpot.

4CeeD – Data Curation | Software Developer Urbana, IL | June 2018 – May 2019

- Worked under Prof. Klara Nahrstedt to create a cross-platform mobile application using *Flutter* for data management, quick uploads, and previews.
- Replaced old file tree structure with a modern widget using *Webix* library using *JavaScript*; implemented sorting, multiple drag-and-drop, context-menu, filtering, side by side previews for files and folders.

CS 125 @ Illinois | Data Analyst

Urbana, IL | May 2018 – May 2019

- Worked with the *mongo* database to create a grade prediction tool for students taking CS 125.
- Analysed course data - explored correlations between various facets in the course - attendance vs grades, attention drops, enrolment spikes/drops, student behaviour - using *PyMongo*, *NumPy*, *matplotlib*.

CS 196 @ Illinois | Course Staff (PM)

Urbana, IL | August 2018 – May 2019

- Member of Executive Committee and Project Manager; mentor a group of students and grade them on their semester-long projects.
- Practiced Scrum techniques to lead a group of students to successful project sprints.

PROJECTS

Vacation Ready | HackIllinois 2019

Urbana, IL | March 2019

- Created a mobile application using *flutter* which generates travel itineraries based on user interests.
- Used pathfinding and Google Places API to display choices to the end user that will best fit their travel plans.
- Utilizes user feedback to improve recommendations with a location based push notification system.